

State of Good Repair (SGR) - Bridge Ranking and Project Selection

Salem

Date Generated:August 25, 2016

Purpose:Public Access to Initial Ranking of SGR-Eligible Locally-Owned Structures

Status:Initial Ranking

* Initial value from VDOT's Bridge Management System (high-level) recommendations.
Final value from scoping level estimate (or better) from locality.
If value exceeds that of VDOT BMS the scope and estimate must be reviewed by the District Bridge Engineer

** Based on Statewide averages for total project cost for structure replacement. This number is not subject to change.

										General Condition Rating (GCR)				30%	25%	15%	10%	20%		Local Input Required		
UPC	Bridge Federal ID	District Name	System	City or County Name	Route No.	Facility	Featured Intersection	Open Posted Closed	Length	Deck	Super Structure	Sub Structure	Culvert	Importance Factor (Percentile Rank)	Condition Factor (Percentile Rank)	Design Redundancy Factor (Formula Score)	Structure Capacity Factor (Percentile Rank)	Cost Effectiveness Factor (Formula Score)	Current SGR Score	Recommended Action Cost *	Recommended Action Description	Structure Replacement Cost**
104248	21704	Salem	P	Roanoke	220	FRANKLIN ROAD	NS RR & 220 NBL RAMP	A	546.9	5	5	4	N	0.83	0.57	0.85	0.43	0.00	0.562	\$ 26,311,330	Replace Bridge or Replace FC Superstructure and Perform Extensive Repairs to Substructure (Consider FRP Wraps)	\$ 26,311,466
	21774	Salem	P	Salem	11	ROUTE 0011	COLORADO ST O NS RWY @	A	184.1	5	4	4	N	0.50	0.75	0.00	0.16	0.78	0.509	\$ 3,322,949	Replace Deck, Replace Bearings at Abutments, Repair Beams as Required by Analysis, Recoat Structural Steel, Repair Substructure.	\$ 12,673,460
	21258	Salem	U	Pulaski	0	ROUTE 0000	COMMERCE ST O PEAK CK.	P	70.9	4	4	6	N	0.78	0.36	0.00	0.74	0.49	0.495	\$ 1,224,747	Replace Superstructure and Repair Substructure	\$ 3,013,335
	22403	Salem	U	Bedford	0	MCGHEE STREET	MCGHEE ST O NS RAILWAY	P	95.1	6	4	4	N	0.25	0.62	0.75	0.84	0.00	0.427	\$ 2,326,789	Replace Bridge	\$ 2,326,801
	21771	Salem	P	Salem	11	ROUTE 0011	APPERSN DR O ROANOKE RV	A	154.9	4	5	6	N	0.49	0.20	0.00	0.40	0.82	0.401	\$ 2,133,970	Replace Deck.	\$ 8,869,337
	21596	Salem	U	Roanoke	0	ROUTE 0000	1ST O NS RWY YARDS	K	315.9	4	4	6	N	0.00	0.36	0.75	0.65	0.00	0.268	\$ 11,344,353	Bridge is closed. Should bridge be repaired or removed from inventory?	\$ 11,344,411
	21598	Salem	U	Roanoke	0	GILMER AVENUE	TROUT RUN	A	41.2	6	6	4	N	0.38	0.18	0.00	0.12	0.00	0.171	\$ 1,780,809	Replace Bridge	\$ 1,780,818
	21269	Salem	U	Pulaski	789	ROUTE 0789	THORNSPRINGS BRANCH	P	42.0	7	6	7	N	0.09	0.02	0.00	0.77	0.00	0.109	\$ 1,331,366	SD - Structural Evaluation	\$ 1,331,366